A.N.A.R.T.S. News Bulletin 1334 6 Feb 2005.

Cols Column

Early Electrical Communications

Cooke and Wheatstone. Part Two.

The two men entered a legal partnership in May 1837.
They patented a Telegraph system they had devised.
The patent granted on June 12 1837 is the first patent
in the world regarding electrical communication.

A summary of the patent is as follows:

1. A five needle telegraph with five finger keys on
which symbols are indicated by the deflection of two
of the needles, the required letter being found on the
dial at the point where the two converge.

2. a four needle telegraph on the same principle.

3. Methods of insulating and supporting the wires,
which consisted of placing them in a resinous cement
in channels in the rails of post and rail fences, or
in various shared tubes or troughs, the wires being
covered with cotton and varnished.

4. A method of deflecting telegraph magnetic needles
by electromagnets.

5. A method of sounding alarms in distant places,
the detent of a clockwork mechanism is removed by
an electromagnet.

6. Sounding alarms in distant places by the aid of an
additional battery - a battery devoted solely to working
the alarm and not belonging to the line circuit, has
its local circuit completed by the electric current from
the distant battery. For this purpose the line circuit
deflects a needle on whose axis a forked wire is mounted,
which completes the local circuit by dipping into mercury
cups.

Some of the above items need explaining, which will be
the subject of next weeks part. A diagram and a picture
of the 5 needle telegraph along with the code worked out
by Cooke will appear on my website this weekend, go to url
http://users.bigpond.com/ctdavies

Finally this week, some news on Jim Swan VK2BQS.
Jim had a stroke last week and is in the Rehab centre
Maitland Private Hospital. Bed 35. He could not speak at
first, but has regained this. He is recovering, but has
a long way to go. You can ring him on 49338400, don't
keep him too long. (Matrons advice, not mine).

73's DE Col VK2CTD

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IPS Weekly Solar and Geophysical Report 28 Jan/3 Feb

SUMMARY

Date	28	29	30	31	01	02	03
10cm flux	85	86	86	86	84	82	83
AFr index	5	16	10	15	4	7	(8 estimated)
Aaus index	7	17	12	13	6	7	(9 estimated)
T index	39	50	38	33	24	28	10

Solar flare activity was very low all week.

Geomagnetic activity observed for the Australian Region was quiet on 1st quiet to unsettled on 28th 30th and 2nd and quiet to active on 29th, 31st and 3rd.

Southern Australian Ionospheric F2 critical frequencies were mostly near predicted on 28th near predicted to 15 percent enhanced during local night and depressed 20 percent after local dawn on 29th. Frequencies were near predicted on 30th and 31st depressed 15 percent to near predicted on 1st mostly near predicted to 25 percent depressed on 2nd and depressed 15 to 20 percent on 3rd.

Forecast for 4/10th Feb

Solar activity should be low possibly increasing to moderate after 5th Feb. There is a chance for high activity if the previously flaring region returns and is still flare active.

Geomagnetic activity should be mostly quiet with unsettled. There is a chance for CME-induced activity late in the week if the old region is active on return. 27 day recurrence patterns suggest isolated active periods may be possible 7/9th Feb.

Frequencies should be near predicted monthly values. Short wave fadeouts are possible in the second half of week.

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VK2SG RTTY DX NOTES week ending 02 Feb

Our information this week came from AA5AU I5FLN DJ3IW UT5RP GB7DXG and the OH2AQ DX Summit. Thank you all.

Bandpass

Friday 28
0020-7038 OZ8ABE
1024-14080 HF4IARU via SP4CGF
1041-14083 TM6OLW via F5TFI
1052-18102 CT1XK
1054-14086 UN7EG
1343-21087 3B9FR
1507-14086 TF3GC
1521-18107 3B9FR

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1541-14083 3B9FR
1605-14081 CM2ZT
1619-14087 VE2QIP/2 Zone 2
2121-7039  CO2GL
2159-7038  UR3LC
2159-7039  UU2CW
2244-7037  RA9SD

Saturday 29
0632-14082 5Z4DZ
0641-14087 NL7V
0832-14080 EA6BH
0844-14086 HF4IARU
0913-21087 5Z4DZ
0916-21085 XX9BB
0916-21083 UN7PBY
1046-7038  YV6PM
1126-14083 TF3HP
1129-14084 GI4WXA
1146-14084 TF3HR
1157-18103 PJ2MI
1208-18103 PJ2MI
1211-7040  CM2ZK
1213-7031  JM1XCW
1223-7039  CO2GL
1235-14079 TF3AO
1236-14080 LX5A
1242-14075 UN7PBY
1246-14087 GM4FDM
1254-14081 B4TB
1308-14102 YV6BTF
1310-7030  VR2KW
1312-7031  XX9BB
1330-21085 TF3RB
1334-21094 ZC4LI
1341-14093 EA8/DJ1OJ
1348-18105 UN9PQ
1402-7041  VE6YR
1413-7035  UN4PG
1414-14092 ZC4LI
1424-21087 3B8/HA7TM
1435-21087 CO2GL
1436-7032  XX9BB
1437-14082 4L1BR
1441-14086 GM0KBU
1456-14095 MM0BQI
1458-7037  HS0ZBS
1523-21083 YS1EJ
1533-21083 PJ2MI   via W2CQ
1547-14091 3B8/HA7TM
1555-7035  LX5A
1602-7034  K7WD/KH0
1603-7038  HS1PDY
1608-14081 MW0CRI
1748-14085 KP4JRS
1817-14081 OX3HX
1824-10135 9G5OO
1858-7044  HZ1IK
1916-7041  TA1FA
1930-7030  JM1XCW
1938-14099 9J2KC
1952-14090 CN8LI
1954-7041  AP2IA
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1956-21082 CO2GL
2005-21081 XE3RCC
2007-14097 HZ1IK
2020-21081 KH6GMP
2046-3583  ER3ZZ
2050-3585  LX5A
2119-14095 9J2KC
2151-14089 5U7B    via I2YSB
2153-14096 XE1L
2158-14091 XE3RCC
2202-14090 HR1RMG
2220-14085 KH6GMP
2245-3586  GU8FBO
2305-14082 YV6BTF
2345-7044  5U7B
2359-3580  VO1HP


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Sunday 30
0001-14083 B4TB
0042-14085 XE2XX
0044-7037  YV6BTF
0052-21087 K7WD/KH0
0056-14082 KH6GMP
0103-7037  LX5A
0125-7088  XE1L     via WA3HUP
0139-7039  CO2GL
0156-14083 HS1PDY
0211-3587  YV6BTF
0257-21082 3D2RR   via HA8IB
0412-7040  4Z5PM
0418-14083 UN7PBY
0439-7039  4L1BR
0605-14097 9J2KC
0612-21082 3D2RR
0621-14088 YK0RJ
0650-14091 5U7B
0709-21081 BX4AF
0753-14087 FO5PS
0832-21083 XX9BB
0839-21089 3B8/HA7TM
0844-14081 ZL4AD
0851-14078 ZC4LI
0857-14099 W7WD/KH0
0905-21102 9J2KC
0913-21081 M0AFZ
0925-14084 RU2FL
0938-7031  K7WD/KH0
0949-7030  VR2UW
1003-7033  XX9BB
1016-21092 YB0DPO
1021-28089 9J2KC
1030-14095 K7WD/KH0
1041-21079 TA7EB
1148-7033  HS0ZBS
1406-14084 HZ1IK
1426-14084 FM5WD
1428-14083 CU3CC
1603-14086 OX3DB
1706-7040  EY8CQ
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1727-7040 EA8AG
1827-10137 CT1XK

Monday 31
0957-28090 RN9FAV
1004-21085 XU7ABN
1104-18106 A45WG
1218-14086 XU7ABN
1244-14089 OD5/SP5LKN
1321-14089 OD5/SP5LKN
1401-14086 FM5AA
1623-10140 HF75PZK
1648-10141 ST2PN
1650-14088 IH9YMC
1652-10139 UR5EDU

Tuesday 1
0956-18101 EY8CQ
1209-18103 VK6HD
1255-14083 UK8OA
1316-14083 CE3ACU
1524-14087 3B9FR
1746-10140 DN3KYF
2009-1838 ON7GB
2053-1841 3Z8IARU
2108-3585 SV1FJP
2313-10142 PT7AZ

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Wednesday 2
0854-18096 EY8CQ
1100-14088 HF4IARU
1104-14082 EI9EW
1110-18103 OD5/SP5LKN
1155-14084 UN8PIM
1450-21082 VQ9LA
1544-10139 MW0CRI
1615-14084 CN8JV
1626-14083 SV8VYR
1928-10135 9G5OO
1934-14085 3D2RR
2149-7038 IH9YMC
2152-1818 SP5EWY
2217-7041 SV3FUO

Thursday 3
0037-1837 HF75PZK
0716-14081 3D2RR
0742-18103 OD5/SP5LKN
0836-14085 VK1AA
1000-14081 3D2RR
1103-14084 HF75PZK
1406-14084 TF3FK
1407-14083 XU7ABN
1431-18103 OD5/SP5LKN
1517-14086 VU2SOP
1526-14081 3B9FR
1618-10140 LY2YR
1637-10140 LZ1ZC
1645-10140 SM0EUI

1649-10138 CT1XK
1651-10139 DH3MIT
1654-10140 SV1EML
1805-3584 OO4LBN
1813-14086 3B9FR

Notes of interest:
I apologise for any omissions or mistakes, but a broken right arm has hampered my activities over the past few weeks. I hope to be back in the contest seat for WPX.

The Mexico RTTY International Contest sponsored by FMRE will take place from 1800UTC on Sat 5 Feb until 1759UTC on Sun 6 Feb. Send logs to Jose Levy : xe1j at ucol.mx

QSL Info Please note 3B9FR is direct only via QRZ.com.

The VK2SG RTTY DX NOTES are distributed every week via the Winlink network, and are also available on the Internet at URL http://mailman.qth.net/mailman/listinfo/vk2sg-rtty and the digital-dx reflector.

To subscribe to the digital-dx reflector, send an e-mail message to majordomo at mla.nifty.ne.jp as follows: Subject:(blank) Message Body: subscribe digital-dx

For next weeks bulletin send your bandpass and notes of interest to Luciano I5FLN at email luciano.fusari at aliceposta.it

73 es Good RTTY DXing de Phil Cooper GU0SUP

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The Ohio/Penn DX Bulletin No. 696 - excerpts

9Y, TRINIDAD AND TOBAGO
Ten operators from the Lufthansa Amateur Radio Club (LARC) plan to be active from Trinidad Island (SA-009) between Feb 23 and Mar 2. Operators mentioned are DD8ZX DG3FK DH6ICE DJ3FK DJ9RB DK7LX DK7PE DK7TF DL1FDS and DL4FP. At least two stations will be active on 160-10 meters, CW, SSB and DIGITAL. QSL via DJ3FK. Logs will be available online AFTER the operation. For more info please visit the Web page at http://www.dj3fk.com

DXCC NEWS
Bill Moore NC1L ARRL DXCC Manager informs OPDX that the following operation is approved for DXCC credit
R1MVI - Malyj Vysotskij Island Sep 10-13, 2004

DX0, SPRATLY ISLANDS
Eddie DU1EV informs OPDX that Nicodemus/DU1JXP Mike/DU1MHX Ed/4F1OZ Gilbert/4F2KWT Bebe/4F3BA and himself will be active on the Philippine side of the Spratly Island Group (Kalayaan Island) from Jan to May under the callsign DX0K. According to Eddie look for Gilbert 4F2KWT to be active first from here. By the time you read this he should be on the air and be active by himself for about a month. Towards the end of

Mar 2 to 3 other operators are expected to join 4F2KWT for
around three weeks. Eddie mentions that they might pack up
early after two weeks or towards the tail end of April as
the typhoon season will be about to set in and they will be
leaving there by boat. Activity is planned for all bands
160-6 meters including the WARC bands, mostly on CW and
SSB. During Mar they just might work some digital modes
like RTTY and SSTV. Eddie also mentions that this is a
Hamcation/ DXpedition and these are their tentative plans.
A Web page is in the planning stage and the URL is
forthcoming. QSL Manager is 4F2KWT.

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EP, IRAN
Hamid EP4HR states he will be on the lower bands every day
(except Tuesdays and Fridays) from 0215-0230z on CW or
PSK31. He will start on 160 then move to 80 and 40 meters.
QSNs show him on 40 meters PSK31 on 7035 kHz as late as 0115z.
Also, watch 14070 kHz on PSK31 between 1300-1630z. QSL via I2MQP.

FR, REUNION ISLAND (Also 3B8)
Didier F5TNI will be active as FR/F5TNI from Feb 2-21.
Activity will be mostly on CW with a little RTTY and
possibly PSK. QSL via his home callsign, Bureau is OK.
After this operation, he will be active from Mauritius for
one week as 3B8/F5TNI.

S9, SAO TOME - PRINCIPE
Operators Jose/CT1APE Tony/CT1FFU and Filipe/ CT2GLO will
be active from the Ilheu das Rolas (AF-023) Feb 20-26.
Activity will be on 160-6 meters SSB CW RTTY and PSK31.
Their callsign will be S92RI.

VP2M, MONTSERRAT
Art N2NB will be active as VP2MDY from Feb 24 thru Mar 8th.
Activity will be on all bands 160-6 meters, including PSK31.
QSL via his home callsign.

The Society can be contacted in the following ways
To Pat VK2JPA via vk2jpa at wia.org.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to P.O. Box 93 Toongabbie, NSW 2146.
73's for this week from Pat VK2JPA Broadcast Officer
NNNN